
From: Gray, David
Sent: Sunday, August 27, 2017 4:33 PM
To: Coleman, Sam; Restivo, Angela
Cc: Foster, Althea; Webster, Susan; Smalley, Bryant; Carroll, Craig; Loesel, Matthew; Smith, Monica; Martin, John; Edlund, Carl; Phillips, Pam; Taheri, Diane
Subject: RE: Hurricane Harvey 1700 update for 08/27/2017
Attachments: 8-27-17 1700 Update v1 (dg).docx

My edits

From: Coleman, Sam
Sent: Sunday, August 27, 2017 4:12 PM
To: Restivo, Angela ; Gray, David
Cc: Foster, Althea ; Webster, Susan ; Smalley, Bryant ; Carroll, Craig ; Loesel, Matthew ; Smith, Monica ; Martin, John ; Edlund, Carl ; Phillips, Pam ; Taheri, Diane
Subject: RE: Hurricane Harvey 1700 update for 08/27/2017

Need to address these items:

Request for IMAT - Edlund/Gray
Con Ops for DW Assessments - Edlund
Con Ops for Standing Water – Edlund
Sampling - Edlund
Con Ops for spills - Edlund
Communications structure - Gray

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From: Restivo, Angela
Sent: Sunday, August 27, 2017 4:08 PM
To: Coleman, Sam <Coleman.Sam@epa.gov>; Gray, David <gray.david@epa.gov>
Cc: Foster, Althea <Foster.Althea@epa.gov>; Webster, Susan <webster.susan@epa.gov>; Smalley, Bryant <smalley.bryant@epa.gov>; Carroll, Craig <Carroll.Craig@epa.gov>; Loesel, Matthew <loesel.matthew@epa.gov>; Smith, Monica <smith.monica@epa.gov>; Martin, John <martin.john@epa.gov>; Edlund, Carl <Edlund.Carl@epa.gov>; Phillips, Pam <phillips.pam@epa.gov>; Taheri, Diane <Taheri.Diane@epa.gov>
Subject: Hurricane Harvey 1700 update for 08/27/2017



Hurricane Harvey 2017 8/27/2017 – 1700 CDT Update

NOAA Hurricane Status

Harvey has been downgraded to a **tropical storm** with sustained winds of 40 mph and is moving south by southwest at 2 mph. Landfall occurred as a Category 4 Hurricane.

Multiple flood, flash flood, hazardous weather and storm surge warnings are still in place along the coast from Corpus Christi to Louisiana. Harris and Galveston Counties are reporting major rainfall and flooding, some areas have received up to 24 inches of rain in the past 24 hours. **Conditions within the City of Houston metropolitan area of 5.6 million people has significantly deteriorated and flooding is wide spread.**

President Trump signed the Disaster Declaration for the eighteen counties requested by Governor Abbott of Texas. The following counties are included in the declaration: **Aransas, Brazoria, Bee, Calhoun, Chambers, Fort Bend, Galveston, Goliad, Harris, Jackson, Kleberg, Liberty, Matagorda, Nueces, Refugio, San Patricio, Victoria, and Wharton.**

EPA Response/State Support

EPA is deploying additional asset in anticipation of emergency response activities associated with Hurricane Harvey and aftermath flooding. **EPA has activated the National Incident Management Team consisting of highly skilled response personnel from Regions 3, 4, 5. The N-IMAT will arrive in Dallas on Tuesday, August 29 to assist with response activities.**

The EPA representative to the State of Texas Operations Center (SOC) has integrated into the FEMA Incident Management Team Operations Section. TCEQ has begun contacting drinking water and waste water treatment facilities along the south coast.

There have been discussions at the FEMA RRCC regarding standing up a Joint Field Office possibly as early as Saturday. **EPA Special Advisor to the Administrator, Ken Wagner will arrive at the FEMA EOC in Denton, Texas on Monday, August 28.**

Two EPA technical assistance contractors have remobilized to Robstown, TX after temporarily evacuating due to the impending storm.

EPA Houston Facility will remain closed on August 28, 2017 and most likely August 29, 2017. The laboratory and office building is not damaged; however, all nearby roadways are flooded. EPA mobile laboratory and response vehicles are secure and can be deployed when road conditions allow.

EPA Actions:

- EPA is deploying personnel to a with TCEQ's Drinking Water and Waste Water Phone Bank located in Austin, TX. Teams will be responsible for contacting drinking water and waste water facilities to verify operational status and offer technical assistance as need. Rapid response teams will be deployed on a case-by-case basis to offer additional assistance necessary to restore services as quickly as possible (see next bullet).
- Technical assistance in the form of drinking water and waste water field assessment support in Houston, TX. These teams physically visit drinking water and waste water systems to determine functionality and provide technical assistance.
- EPA will initiate contact with industrial sources located within the storm area to determine active status and plans to resume operations. EPA will closely monitor start-up of industrial sources along the coastal area of Texas.
- EPA will respond, as necessary, to spill and release reports from the National Response Center and deploy Federal On-Scene Coordinators as necessary to direct cleanup efforts.
- EPA Remedial Managers will initiate follow-up activities at Superfund NPL sites within the storm path to conduct rapid damage assessments and determine if additional emergency cleanup activities are necessary.
- EPA will provide technical support to state regulatory agencies both at the Texas General Land Office and Texas Commission on Environmental Quality to gather data and information in Response Manager, a systemized response data management system.
- EPA will deploy asset to support internal EPA, state and local response activities including emergency response mobile command post and communication system and mobile laboratory service.
- EPA is developing surface water sampling plans to address public health concerns regarding possible contaminants found in storm water. EPA anticipates field sampling of flood waters will begin as soon as conditions allow.
- EPA has initiated its Crisis Communication Plan to ensure rapid response to providing coordinated, accurate, up-to-date information regarding its field activities. EPA Public Information Office will be established in Dallas with forward field components as needed to support HQ Office of Public Affairs.
- EPA is not currently participating in Search and Rescue (SAR); however, EPA does have access to resources and asset to assist if required.

- EPA surveillance aircraft known as ASPECT is on stand-by and available to conduct remote monitoring of air quality related to releases and fires, radiation surveillance, and general aerial surveillance of spills and releases.

Funding

EPA is still working under the Disaster Declaration Mission Assignment; however, the Region anticipates additional tasking from FEMA. Tasking under the Mission Assignment has not changed. EPA Region 6 anticipates tasking from Texas Commission on Environmental Quality (TCEQ) and Texas General Land Office (TGLO) for ESF-10.

Refineries/Fuel Waivers

A second waiver request from the State of Texas was approved by Administrator Pruitt. It expands the waiver request to include the four-county Dallas/Fort Worth Reformulated Gas area, the 98 counties (includes 3 counties in Beaumont area) required to use low Reid Vapor Pressure Fuel, and the entire 110 county area required to use Texas Low Emission Diesel fuel. The State/EPA Emergency Fuel Waiver Team will continue to have coordination calls throughout the weekend. The State of Texas has conveyed their appreciation of EPA 's quick response regarding issuing the waiver(s).

The State of Louisiana is tracking the situation in Texas regarding the issuance of the waivers. No immediate request from Louisiana to initiate waiver process have been received at this time.

Per the Department of Energy, as of 1130 CDT, August 26, 428,568 barrels per day of the oil production and 835 million cubic feet per day of the natural gas production in the federally administered areas of the U.S. Gulf of Mexico are shut-in.

As of 1400 PM CDT, August 26, all six refineries in the Corpus Christi area have been shut down, according to public reports. These refineries have a combined refining capacity of 924,720 barrels per day, equal to 18.4% of total Gulf Coast refining capacity. In addition, three refineries in the Houston/Galveston region area were operating at reduced rates.

Drinking Water/Waste Water

The EPA Region 6 is currently working with TCEQ to develop a comprehensive list of potentially impacted systems.

TCEQ is reporting the following Boil Water Notices (BWN) and Issues as of 1800 CDT on August 26, 2017:

Hurricane Harvey Boil Water Notice and Issue Tracking- 2017						
BWN/ Issue	Water System Name	Population	Issue/ Start Date	Rescind/ Start-up Date	County	BWN/Shutdown Reason
Shutdown	Matagorda Dunes Subdivision	426	8/25/2017		Matagorda	Mandatory Evacuation Notice
BWN	City of Corpus Christi	325733	8/25/2017	08/27/2017	Nueces	Being monitored closely

Hurricane Harvey Boil Water Notice and Issue Tracking- 2017						
BWN/ Issue	Water System Name	Population	Issue/ Start Date	Rescind/ Start-up Date	County	BWN/Shutdown Reason
BWN	City of Goliad	2025	8/26/2017		Goliad	No electricity, generator not working
BWN	San Patricio County Municipal Water District	225	8/25/2017		San Patricio	
BWN	Flint Hills Resources	2183	8/26/2017		Nueces	
BWN	Port O'Conner Improvement District	1250	8/26/2017		Calhoun	
BWN	City of Victoria	62592	8/26/2017		Victoria	Generator should be there in 24 hours, limited water at this time and under BWN

Assessing Conditions at Major Industrial Facilities

EPA Region 6 continues to monitor the National Spill Hotline for updates from facilities in the area affected by Hurricane Harvey. As of 1500 hours on August 27, 2017, the call volume to the Hotline has increased significantly. The Region continues to follow up on all hot line calls as appropriate.

U.S. Coast Guard Sector New Orleans has notified the Region 6 Duty Officer of an oil production platform on fire in the Gulf. The U.S. Coast Guard has responded for rescue. The fire is ongoing. Sector New Orleans will continue to update the Region as appropriate.

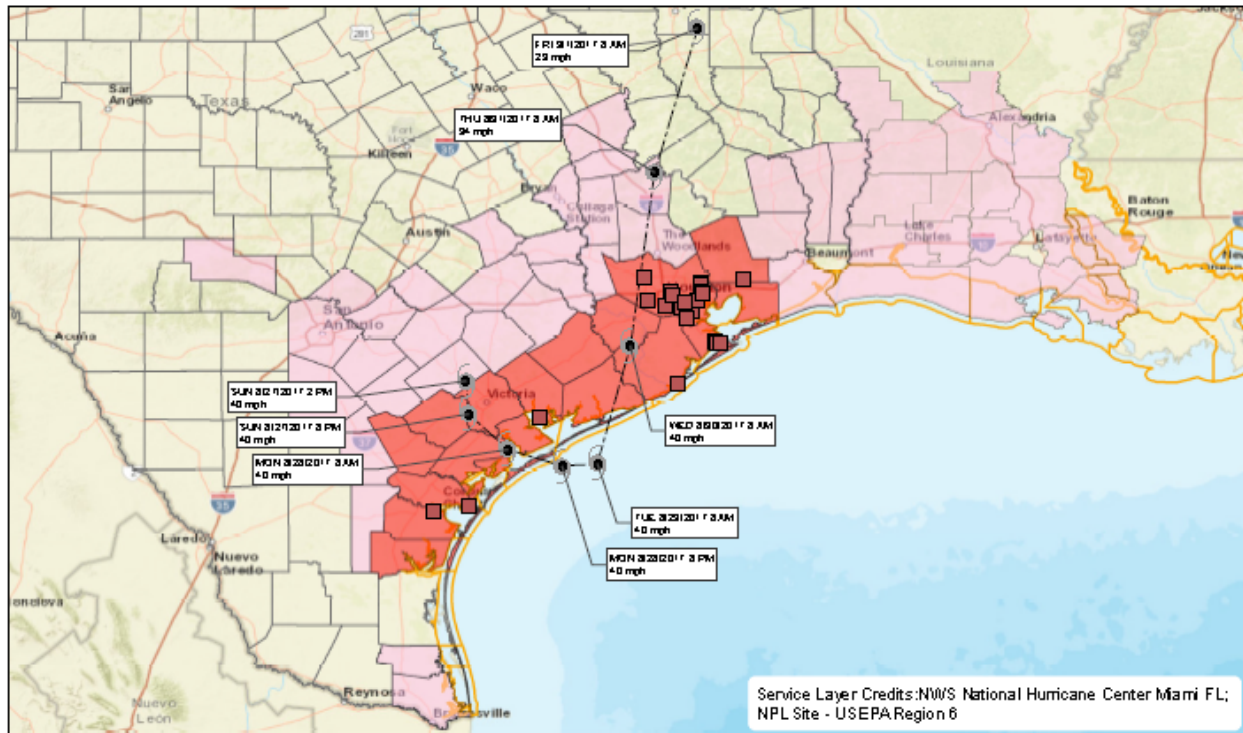
Securing Superfund Sites

EPA will start contacting site operators Monday morning to get status updates.

The following is a list of 24 NPL sites located in the now 18 Federally Declared counties in Texas. The list has been revised from previous updates to reflect the expanded Federal Declaration.

SITE NAME	COUNTY
GULFCO MARINE MAINTENANCE	BRAZORIA
ALCOA (Point Comfort) / LAVACA BAY	CALHOUN
MALONE SERVICES COMPANY	GALVESTON
MOTCO, INC.	GALVESTON
TEX-TIN CORP.	GALVESTON
BRIO REFINING INC.	HARRIS
CRYSTAL CHEMICAL CO.	HARRIS

DIXIE OIL PROCESSORS INC.	HARRIS
FRENCH, LTD.	HARRIS
GENEVA INDUSTRIES / FUHRMANN ENERGY	HARRIS
HARRIS (FARLEY STREET)	HARRIS
HIGHLANDS ACID PIT	HARRIS
JONES ROAD GROUNDWATER PLUME	HARRIS
MANY DIVERSIFIED INTERESTS, INC	HARRIS
NORTH CAVALCADE STREET	HARRIS
PATRICK BAYOU	HARRIS
SAN JACINTO RIVER WASTE PITS	HARRIS
SIKES DISPOSAL PITS	HARRIS
SOL LYNN / INDUSTRIAL TRANSFORMERS	HARRIS
SOUTH CAVALCADE STREET	HARRIS
US OIL RECOVERY	HARRIS
PETRO-CHEMICAL SYSTEMS, INC. (Turtle Bayou)	LIBERTY
BRINE SERVICE CO.	NUECES
FALCON REFINERY	SAN PATRICIO



Legend

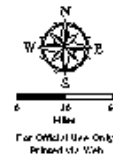
- NPL Sites
- Coast Guard Area of Responsibility
- Federally Declared
- State Declared

National Hurricane Center

- Forecast Track
- Tropical Storm/ Hurricane

USEPA Region 6 National Priority List (NPL) Sites in Federally Declared Counties

Hurricane Harvey Response
National Weather Service
Public Advisory #29A
1300 CDT 20170827



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